

STEREO MOC Status Report  
Time Period: 2010: 158 - 2010:164

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 159, during the DSS 25 support, telemetry lock was lost at 1613z when the antenna brakes set. Telemetry lock was not restored by the end of the track which occurred 17 minutes later. This resulted in the loss of an hour SSR data. See DR# G110296 for more information.

2. The following spacecraft/instrument events occurred during this week:

- The average daily SSR playback volume for Ahead was 5.4 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 159, in-situ instruments SSR partitions began overwriting due to insufficient track coverage. Specifically, a 10 hour cumulative track shortage for this week, beginning on day 159, resulted in intermittent loss of many hours of in-situ instrument SSR data nearly every day beginning on day 159 through 164. The primary cause of the insufficient track time was sharing the same view with many other higher priority missions.

2. The following spacecraft/instrument events occurred during this week:

- On day 159, during the DSS 54 support, a new PBDFD table was loaded to the C&DH RAM to disable the SECCHI SSR2 partition 20 playback. This was done to increase the in-situ instrument data return on BEHIND only due to a period of insufficient track coverage.
- On day 159, during the DSS 54 support, the 60 hour soft command loss timer autonomy rule was re-enabled. This was

previously disabled to prevent firing during an anticipated station coverage gap due to the Planet C launch.

- On day 160, the 24<sup>th</sup> momentum dump was successfully executed at 2130z, which imparted a delta V of 0.0607 m/sec.
- The average daily SSR playback volume for Behind was 3.4 Gbits during this week.